

5,558,853; which is a continuation-in-part of application No. 08/148,284, filed November 8, 1993, U.S. Pat. No. 5,595,723; which is a continuation-in-part of application No. 08/008,172, filed January 25, 1993, U.S. Pat. No. 5,558,855.--

Page 31, lines 1-7, delete the text reading "This...or below" and replace by --Thus, there is an advantage to using high vapor pressure liquids such as stated above as ultrasound contrast agents, albeit not as great an advantage as obtained with materials which boil at or below 40°C., such as decafluorobutane and dodecafluoropentane.--

IN THE CLAIMS:

Please cancel claims 1-33 and add new claims 34-41 as follows:

--34. (new) An ultrasound contrast agent including a biocompatible colloidal dispersion for imaging an animal having a body temperature T, comprising a dispersed phase, an amphiphile and an aqueous continuous phase, said dispersed phase including a perfluorocarbon chemical with a sufficiently high vapor pressure that at least a portion of said perfluorocarbon is a gas at the temperature T, wherein said dispersed phase and its gaseous content are present in amounts adequate to provide ultrasound contrast enhancement due to the aqueous-gas interface when said agent is administered to said animal, and wherein said perfluorocarbon has a vapor pressure of above about 20 Torr at ambient temperature or a boiling point below about 100°C and is at least a C6 compound.

35. (new) An ultrasound contrast agent as set forth in claim 34, wherein said perfluorocarbon is perfluorohexane or perfluorooctane.

36. (new) Contrast media for ultrasound imaging comprising gaseous perfluorohexane.

37. (new) Contrast media according to claim 36 comprising gaseous microbubbles comprising perfluorohexane.

38. (new) Contrast media according to claim 37 wherein the microbubbles are free gas microbubbles.

Steven C. Quay
Application No.: unassigned
Page 3

PATENT

39. (new) Contrast media according to claim 36 further comprising an amphiphilic material.

40. (new) Contrast media according to claim 39 wherein the amphiphilic material comprises a surfactant.

41. (new) Contrast media according to claim 40 wherein the surfactant comprises a fluorine-containing surfactant.--

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,

Joel G. Ackerman
Reg. No. 24,307

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
J3A:lcb
SF 1476561 v1